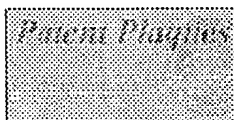


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JP7322892A2: METHOD FOR SCREENING IMMUNOSUPPRESSIVE SUBSTANCE

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Application Number: **JP1994000116731**

IPC Class: **C12Q 1/02; C12Q 1/02;**

Abstract: **Purpose:** To simply and rapidly screen an immunosuppressive substance by preparing two sets of yeast media mutually different in Ca concentrations, adding a specimen sample to one of the sets, inoculating a yeast mutant defective in the activity of tonoplast proton ATPase in the media, and culturing the yeast mutant.
Constitution: Two sets of yeast culture media mutually different in the concentrations of calcium are prepared. A specimen sample is added to one of the two sets of the yeast culture media, and the specimen sample is not added to the other. A yeast mutant defective in the activity of tonoplast proton ATPase (e.g. *Saccharomyces cerevisiae* DV3TL-B2) is inoculated on the media and subsequently cultured. When a calcium concentration allowing the multiplication of the mutant in the medium containing the specimen sample is lower than a calcium concentration allowing the multiplication of the mutant in the medium not containing the specimen sample, it is estimated that the specimen sample contains an immunosuppressive substance. Thereby, the objective immunosuppressive substance for immunosuppressive agents, etc., can simply and rapidly be screened.
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Other Abstract Info: **CHEMABS 124(11)143613S CAN124(11)143613S DERABS C96-064852**


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Foreign References: (No patents reference this one)

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